

**Notice of Allowability**

Application No.

09/785,207

Examiner

Trenton J. Roche

Applicant(s)

IIZUKA, KUNIIKO

Art Unit

2193

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to communications filed 7 February 2006 and 2 June 2006.
2. ☒ The allowed claim(s) is/are 1-3, 7 and 9 (renumbered as 1-5).
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some\* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 06022006
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

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### EXAMINER'S AMENDMENT

1. An Examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to Applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this Examiner's amendment was given in a telephone interview with Temnit Afework, Reg. No. 58,202, on 13 April 2006.

The application has been amended as follows:

Claims 11 and 14 have been canceled.

Claim 1 has been amended as such:

1. (Currently Amended) A program development device developing an application program using a component having a plurality of interfaces, comprising:

a component selecting module having said component selected;

an interface selection module having ~~said an~~ interface selected for said selected component;

and setting whether said selected interface is permitted to be embedded into said application program ~~or not~~ in accordance with preset information listing interfaces indicative of usable

interfaces corresponding to said selected component, said setting including selecting at least one interface to be inhibited among the listing of said interfaces; and said interface selected being permitted to be embedded into a plurality of components used by said application program;

a recording unit retaining a set record of said setting including whether said interface selected is permitted to be embedded into said application program ~~or not~~ based on said selecting of the at

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least one interface to be inhibited; and

an edit module supporting ~~the~~ development of the program ~~by use of~~ using said interface set to be permitted to be embedded into said application program or ~~said interface~~ that is not set to be inhibited to be embedded into said application program in accordance with the set record.

Claim 7 has been amended as such:

7. (Currently Amended) A program development method of developing an application program by use of a component having a plurality of interfaces, comprising:

selecting said component;

selecting ~~said~~ an interface for said selected component;

setting whether said selected interface is permitted to be embedded into said application program ~~or not~~ in accordance with preset information listing interfaces ~~indicative of usable interfaces among the plurality of interfaces~~ corresponding to said selected component, said setting including selecting at least one interface to be inhibited among the listing of said interfaces and said selected interface being permitted to be embedded into a plurality of components used by said application program;

recording said setting including whether said selected interface is permitted to be embedded into said application program ~~or not~~ based on said selecting of the at least one interface to be inhibited; and

developing the program ~~by use of~~ using said interface set to be permitted to be embedded into said application program or ~~said interface~~ that is not set to be inhibited to be embedded into said application program in accordance with ~~the above~~ said recording.

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Claim 9 has been amended as such:

9. (Currently Amended) A readable-by-computer recording medium recorded with a program supporting a development of an application program by use of a component having a plurality of interfaces, said program executed by a computer, comprising:

selecting said component;

selecting ~~said~~ an interface for said selected component;

setting whether said selected interface is permitted to be embedded into said application program ~~or not~~ in accordance with preset information listing interfaces indicative of usable interfaces among the plurality of interfaces corresponding to said selected component, said setting including selecting at least one interface to be inhibited among the listing of said interfaces and said selected interface being permitted to be embedded into a plurality of components used by said application program;

recording said setting including whether said selected interface is permitted to be embedded into said application program ~~or not~~ based on said selecting of the at least one interface to be inhibited; and

developing the program ~~by use of~~ using said interface set to be permitted to be embedded into said application program or ~~said interface~~ that is not set to be inhibited to be embedded into said application program in accordance with ~~the above~~ said recording.

The Examiner's amendment was required to more clearly define the invention and to obviate any possible rejections under 35 U.S.C. §§ 102 and 103.

***Information Disclosure Statement***

2. The information disclosure statement (IDS) submitted on 2 June 2006 has been considered by the Examiner.

***Allowable Subject Matter & Examiner's Statement of Reason(s) for Allowance***

3. Claims 1-3, 7 and 9 (renumbered as 1-5) are allowed.
4. The following is an Examiner's statement of reasons for allowance:

The closest found prior art of record, specifically, U.S. Patent 5,555,369 to Menendez et al. (hereinafter "Menendez"), taken alone or in combination, fails to teach or reasonably suggest a program development device developing an application program using a component having a plurality of interfaces in accordance with independent claim 1. Specifically, Menendez fails to teach *"an interface selection module having an interface selected for said selected component and setting whether said selected interface is permitted to be embedded into said application program in accordance with present information listing interfaces corresponding to said selected component, said setting including selecting at least one interface to be inhibited among the listing of said interfaces...a recording unit retaining a set record of said setting including whether said interface selected is permitted to be embedded into said application program based on said selecting of the at least one interface to be inhibited; and an edit module supporting development of the program using said interface set to be permitted...in accordance with the set record.* (claim 1). Similar limitations are recited in independent claims 7 and 9.

Instead, Menendez discloses a method for developing an application for execution wherein a user can graphically edit views with a number of components representing various graphical interface objects. Further, the user can define proto templates containing an arrangement of user-defined views. Views are modified by editing view templates, and a user can effectively “turn on” or “turn off” various flags specifying attributes of the current view from a list of attributes. However, Menendez does not disclose selecting one of the methods or attributes and setting that the method or attribute should be inhibited from the list of usable interfaces, and further recording a set record of the settings associated with the component. While a user of Menendez can “turn off” an attribute for the view, there is no reasonable disclosure which would teach or suggest retaining a set record of the setting, nor does Menendez explicitly state that the system would directly inhibit a method or attribute from ever being used in development of the application software.

Additionally, as the specification does not directly state whether the program development device is a software or hardware based device, the program development device of claim 1 has been interpreted to constitute a device implemented in hardware wherein at least the recording unit of the claim interacts with the hardware of the device, thereby ensuring that the claim is not directed to a purely software implementation of a device.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

***Conclusion***


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Trenton J. Roche whose telephone number is (571) 272-3733. The examiner can normally be reached on Monday - Friday, 9:00 am - 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kakali Chaki can be reached on (571) 272-3719. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Examiner  
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TJR

  
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